

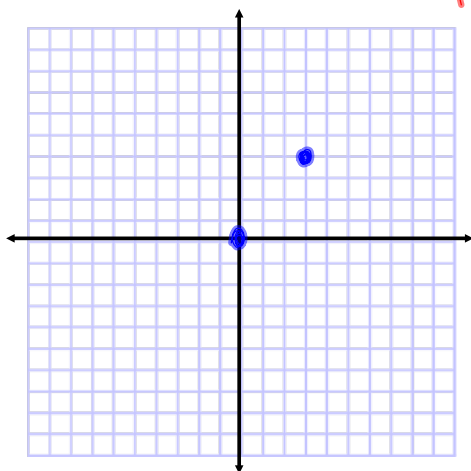
How do we plot complex numbers?

$$D = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Do Now

1) Plot (3, 4)

2) Find the distance b/w
(0, 0) & (3, 4)



$$D = \sqrt{(3-0)^2 + (4-0)^2}$$

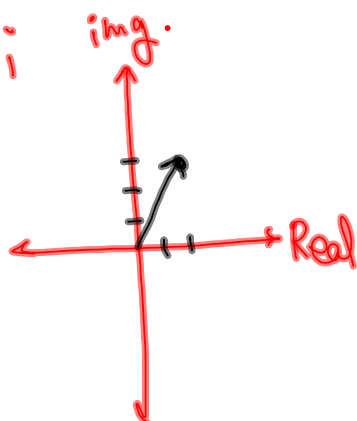
$$= \sqrt{9+16} = \sqrt{25} = 5$$

plotting complex numbers.

real + imaginary

$$= a + bi$$

$$= 2 + 3i$$

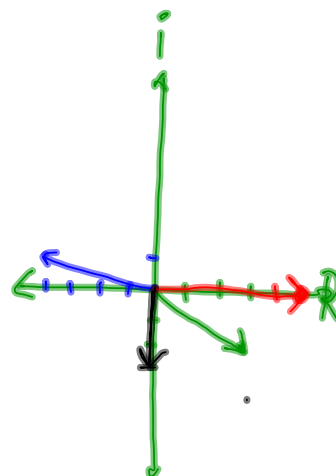


plot

a) $3 - 2i$

b) $-4 + i$

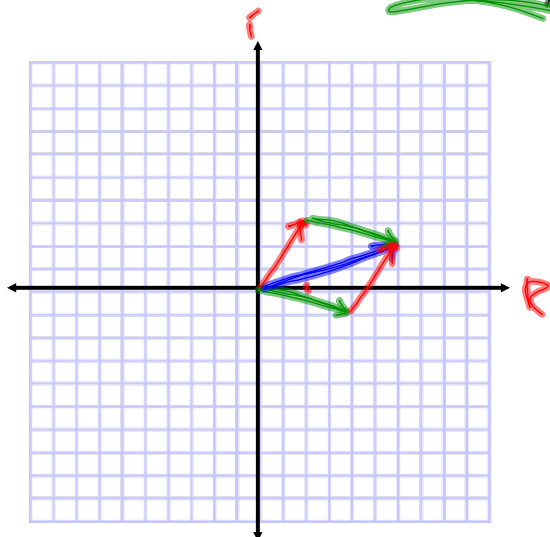
c) 5



d) $-3i$

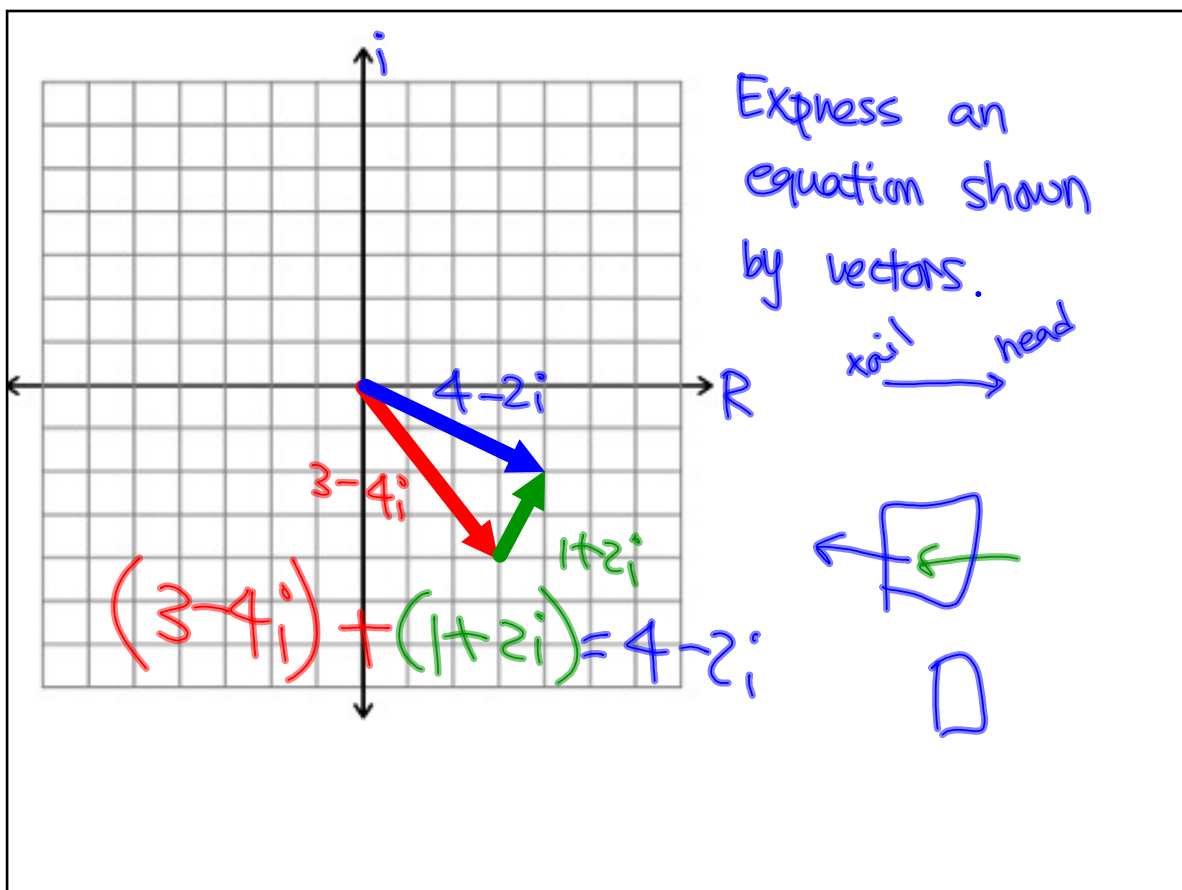
Addition on complex plane

$$1) \underline{(2+3i)} + \underline{(4-i)} = \underline{6+2i}$$



vectors

: line seg w/ directions



$$|3+4i| = \sqrt{(3)^2 + (4)^2} = \sqrt{25} = 5$$

$$|3| = |-3|$$

